JAN 2 5 2007

AMENDMENTS TO THE CLAIMS

3037406962

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-33 (Cancelled).

34. (Previously Presented) A system comprising:

> a hydrogen fuel cassette, the hydrogen fuel cassette having a housing defining an interior region and a hydrogen producing material selected from the group consisting of hydrides, nanotubes, fullerenes, and glass microspheres, in the interior region; and

a hydrogen recovery unit having a receptacle to receive the hydrogen fuel cassette, the hydrogen recovery unit having electromechanics to process hydrogen producing material that has been removed from the hydrogen fuel cassette to produce hydrogen;

a telemetry device coupled with the housing of the hydrogen fuel cassette to communicate information associated with the hydrogen fuel cassette; and

a device of the hydrogen recovery unit to receive the information communicated by the telemetry device of the hydrogen fuel cassette; and

a network connection of the hydrogen recovery unit to communicate information associated with hydrogen production to a network.

35. (Previously Presented) A system comprising:

- a hydrogen fuel cassette, the hydrogen fuel cassette having a housing defining an interior region and a hydrogen storage material in the interior region; and a hydrogen recovery unit having a receptacle to receive the hydrogen fuel cassette, the hydrogen recovery unit having electromechanics to process hydrogen
- storage material that has been removed from the hydrogen fuel cassette to produce hydrogen.
- 36. (Previously Presented) The system of claim 35, wherein the hydrogen storage material comprises a material that is selected from the group consisting of hydrides, nanotubes, fullerenes, glass microspheres, and hydride slurries.
- 37. (Previously Presented) The system of claim 35, further comprising an electronic device coupled with the housing of the hydrogen fuel cassette to store information associated with the hydrogen fuel cassette.
- 38. (Previously Presented) The system of claim 37, further comprising:

 a telemetry device coupled with the housing of the hydrogen fuel cassette to
 communicate information associated with the hydrogen fuel cassette; and
 a device of the hydrogen recovery unit to receive the information communicated
 by the telemetry device of the hydrogen fuel cassette.
- 39. (Previously Presented) The system of claim 35, further comprising a reaction chamber of the recovery unit to react the hydrogen storage material that has been removed from the hydrogen fuel cassette with a reactant to produce the hydrogen.
- 40. (Previously Presented) The system of claim 35, further comprising a multiple cassette clip containing the hydrogen fuel cassette and a plurality of other hydrogen fuel cassettes.

Atty Docket No. 006049.P001 Application No. 10/099,771

- 41. (Previously Presented) The system of claim 35, further comprising a network connection of the hydrogen recovery unit to communicate information associated with hydrogen recovery to a network.
- 42. (Cancelled)
- 43. (Previously Presented) The system of claim 35, further comprising a tray of the hydrogen fuel cassette to slide the hydrogen storage material out of the hydrogen fuel cassette into the hydrogen recover unit.
- 44. (Previously Presented) The system of claim 35, further comprising push means for pushing the hydrogen storage material out of the hydrogen fuel cassette into the hydrogen recovery unit.
- 45. (Currently Amended) The system of claim 35, wherein the hydrogen fuel cassette comprises a seam having a length, the seam to provide access to the hydrogen storage material further comprising a predetermined seam of the hydrogen fuel cassette, the seam to split open to provide access to the hydrogen storage material.
- 46. (Currently Amended) The system of claim 35, further comprising a fluid in the hydrogen fuel cassette, and wherein the hydrogen fuel cassette includes an outlet port to drain the fluid wherein the hydrogen storage material comprises a fluid, and further comprising an outlet port of the hydrogen fuel cassette to drain the fluid out of the hydrogen fuel cassette into the hydrogen recovery unit.
- 47. (Previously Presented) The system of claim 35, further comprising:
 - a second interior region defined by the housing; and
 - a material that is different than the hydrogen storage material in the second interior region.

Atty Docket No. 006049.P001 Application No. 10/099,771

- 48. (Previously Presented) The system of claim 35, wherein the housing comprises:

 a rigid mouth to couple with the receptacle of the hydrogen recovery unit; and
 a flexible portion to collapse as the hydrogen storage material is pushed through
 the mouth into the hydrogen recovery unit.
- (Currently Amended) The system of claim 35, wherein the hydrogen storage material in the interior region of the hydrogen fuel cassette comprises a plurality of slices of hydride.
- 50. (Currently Amended) The system of claim 35, wherein the electromechanics of the hydrogen recovery unit comprises a slicing system to slice [[the]] a solid block of hydrogen storage material that has been removed from the hydrogen fuel cassette.
- 51. (Previously Presented) A system comprising:
 - a cassette, the cassette having an outer casing defining an interior region and a hydrogen producing material, in the interior region; and
 - a hydrogen recovery unit having a cassette intake and processor to extract the hydrogen producing material from the cassette, the hydrogen recovery unit having a reaction chamber to react the extracted hydrogen producing material to produce hydrogen.
- 52. (Previously Presented) The system of claim 51, wherein the hydrogen producing material comprises a hydrogen producing material that is selected from the group consisting of hydrides, nanotubes, fullerenes, glass microspheres, and hydride slurries.

Atty Docket No. 006049.P001 Application No. 10/099,771

To: USPTO

- **53**. (Previously Presented) The system of claim 51, further comprising an electronic device coupled with the casing of the cassette to store information associated with the cassette.
- 54. (Previously Presented) The system of claim 51, further comprising: an electronic device coupled with the casing of the cassette to communicate information associated with the cassette; and an electronic device of the hydrogen recovery unit to receive the information
- 55. (Previously Presented) The system of claim 51, further comprising a multiple cassette clip containing the cassette and a plurality of other cassettes.

communicated by the electronic device of the cassette.

- (Previously Presented) The system of claim 51, further comprising a network 56. connection of the hydrogen recovery unit to communicate information associated with hydrogen production to a network.
- 57. (Cancelled)

JAN-25-2007 17:30 From: BSTZ

- (Previously Presented) The system of claim 51, further comprising a tray of the 58. cassette to slide the hydrogen producing material out of the cassette into the hydrogen recover unit.
- 59. (Previously Presented) The system of claim 51, further comprising a plunger of the hydrogen recovery unit to push the hydrogen producing material out of the cassette.

- 60. (Currently Amended) The system of claim 51, wherein the cassette comprises a seam further comprising a predetermined seam of the cassette, the seam to split open.
- 61. (Currently Amended) The system of claim 51, further comprising a fluid in the cassette, and wherein the cassette includes an outlet port to drain the fluid wherein the hydrogen producing material comprises a fluid, and further comprising an outlet port of the cassette to drain the fluid out of the cassette into the hydrogen recovery unit.
- 62. (Previously Presented) The system of claim 51, wherein the casing comprises:

 a rigid mouth to couple with the hydrogen recovery unit; and

 a flexible portion to collapse as the hydrogen producing material is pushed into the hydrogen recovery unit.
- 63. (Currently Amended) The system of claim 51, wherein the hydrogen producing material in the cassette comprises a plurality of slices of hydride.
- 64. (Currently Amended) The system of claim 51, wherein the hydrogen recovery unit comprises a slicing system to slice a solid block of the hydrogen producing material.